

## ABSTRACT OF THE DISCLOSURE

### Reverse Cantilever Assembly For Input Devices

5           A computer pointing device, such as a mouse or trackball, includes a reverse  
cantilever button assembly to match strength-related variations in user hand size. In one  
embodiment a button assembly is built with two cantilever beams, the fulcrums for each beam being  
at opposite ends of the button assembly. The stiffness of the two beams can be selected to obtain an  
increasing, decreasing, or constant force profile necessary to activate the associated electronic  
10       switch as one moves along the external surface of the button assembly from the palm end toward  
the fingertip end. An increasing force profile provides lower actuating force for operators with  
smaller hands, while providing greater tactile feedback for operators with larger hands.